

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. CELL-055CIP)

In re Application of: Riviere et al.

Serial No.: 08/252,710

Filing Date: June 2, 1994

Title: RETROVIRAL GENE THERAPY VECTORS AND
THERAPEUTIC METHODS BASED THEREON

Examiner: J. Fredman

Group Art Unit: 1809

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

REVOCATION AND CREATION OF POWER OF ATTORNEY

Hon. Assistant Commissioner for Patents:

I, John Pratt, hereby certify that I am authorized to act on behalf of Whitehead Institute for Biomedical Research, having a principal place of business located at Nine Cambridge Center, Cambridge MA 02142, in matters before the United States Patent and Trademark Office. I further certify that the assignment documents for the above-identified patent application have been reviewed and that to the best knowledge and belief of the Whitehead Institute For Biomedical Research, co-title in such patent application is in the name of the Whitehead Institute for Biomedical Research and Somatix Therapy Corporation. The assignment to the Whitehead Institute for Biomedical Research for the above-identified patent application was recorded in the United States Patent and Trademark Office on November 23, 1994 at reel 7223, frame 0723.

In the above-identified United States patent application, I hereby revoke all powers of attorney previously created. I hereby appoint the following attorneys to prosecute the above-identified application and transact all business in the Patent and Trademark Office connected therewith.



James B. Lampert	Reg. No. 24,564
Wayne M. Kennard	Reg. No. 30,271
Michael J. Bevilacqua	Reg. No. 31,091
Holly L. Baker	Reg. No. 31,321
Henry N. Wixon	Reg. No. 32,073
Donald R. Steinberg	Reg. No. 37,241
Wayne A. Keown, Ph.D.	Reg. No. 33,923
Ann-Louise Kerner, Ph.D.	Reg. No. 33,523
Michael A. Diener	Reg. No. 31,122
Colleen Superko	Reg. No. 39,850
Richard Goldenberg	Reg. No. 38,895
Gretchen Rice, Ph.D.	Reg. No. 37,429
Peter Dichiara	Reg. No. 38,005

the mailing address and telephone number of each of whom is HALE AND DORR LLP, 60 State Street, Boston, Massachusetts 02109, (617) 526-6000, and Karen I. Krupen, Ph.D., Reg. No. 34,647 and Cynthia Soumoff, Ph.D., Reg. No. 38,314, the mailing address and telephone number of whom is Cell Genesys, Inc., 322 Lakeside Drive, Foster City, CA 94404, (650) 358-9600, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith

All correspondence should be sent to the attention of:

Anne-Louise Kerner, Ph.D.
Hale and Dorr LLP
60 State Street
Boston, MA 02109
Telephone No.: (617) 526-6250
Telecopier No.: (617) 526-5000

WHITEHEAD INSTITUTE FOR
BIOMEDICAL RESEARCH

By _____


John Pratt

Associate Director

Date: Nov 3 1997

IN THE UNIT UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. CELL-055CIP)

In re Application of: Richard C. Mulligan, et al)
Serial No.: 08/252,710)
Filing Date: June 2, 1994)
Title: RETROVIRAL GENE THERAPY)
VECTORS AND THERAPEUTIC)
METHODS BASED THEREON)

O I P E
AUG 21 2000
PATENT & TRADEMARK OFFICE 1991
JC1

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

REVOCATION AND CREATION OF POWER OF ATTORNEY

Hon. Assistant Commissioner for Patents:

I, Kathleen S. Glaub, hereby certify that I am authorized to act on behalf of Somatix Therapy Corporation in matters before the United States Patent and Trademark Office. I further certify that Somatix Therapy Corporation is the Assignee and exclusive licensee of the above-identified United States patent application.

In the above-identified United States patent application, I hereby revoke all powers of attorney previously created. I hereby appoint the following attorneys to prosecute the above-identified application and transact all business in the Patent and Trademark Office connected therewith.

James B. Lampert	Reg. No. 24,564
Wayne M. Kennard	Reg. No. 30,271
Michael J. Bevilacqua	Reg. No. 31,091
Hollie L. Baker	Reg. No. 31,321
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Donald R. Steinberg	Reg. No. 37,241
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Ann-Louise Kerner , Ph.D.	Reg. No. 33,523
Michael A. Diener	Reg. No. 31,122
Colleen Superko	Reg. No. 39,850

Richard Goldenberg
Gretchen Rice, Ph.D.

Reg. No. 38,895
Reg. No. 37,429



the mailing address and telephone number of each of whom is HALE AND DORR LLP, 60 State Street, Boston, Massachusetts 02109, (617) 526-6000, and Karen I. Krupen, Ph.D., Reg. No. 34,647 and Cynthia Soumoff, Ph.D., Reg. No. 38,314, the mailing address and telephone number of whom is Cell Genesys, Inc., 322 Lakeside Drive, Foster City, CA 94404, (650) 358-9600, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

All correspondence should be sent to:

Ann-Louise Kerner, Ph.D.
Hale and Dorr LLP
60 State Street
Boston, MA 02109
Telephone No.: (617) 526-6192
Telecopier No.: (617) 526-5000

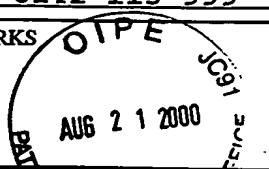
SOMATIX THERAPY CORPORATION

By Kathleen S. Glaub
Kathleen S. Glaub
President of Somatix Therapy
Corporation

Date: October 31, 1997

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Attorney Docket Number
8141-113-999



THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Box Assignments
Washington, DC 20231

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Lawrence Cohen, Brad Guild, Lori Rafield

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

Execution Dates: 8/22/94, 8/23/94, 11/17/94

2. Name and address of receiving party(ies):

Name: Somatix Therapy Corporation

Address: Suite 3110

1301 Marina Village Parkway
Alameda, CA 94501

Country (if other than USA): _____

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: N/A

A. Patent Application No.(s) 08/252,710

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS
1155 Avenue of the Americas
New York, NY 10036

6. Number of applications and patents involved: One

7. Total fee (37 CFR 3.41): \$ 40.00
Please charge to the deposit account listed in Section 8.

8. Deposit account number:

16-1150

(A copy of this page is attached)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Albert P. Halluin 25.227

Name of Person Signing Reg. No.

Albert P. Halluin

11/23/94

Signature

Date

Total number of pages including cover sheet:

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Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATION

"Express Mail" label No. TB 668655251 US

Date of Deposit 11/23/94

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Alvin Foster

93721552

TW11188

12/13/94

(Type or print name of person mailing paper or fee)

(Signature of person mailing paper or fee)

16-1150 110 581

40.00CH



DATE: 01/03/95
TO:

ALBERT P. HALLUIN
PENNIE & EDMONDS
1155 AVENUE OF THE AMERICAS
NEW YORK, NY 10036

N12B

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



REFFERED TO Hallmark
REC'D Ass't
JAN 26 1995
Pennie & Edmonds
O.K. for filing _____

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME
NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSOCIATION

COHEN, LAWRENCE E

DOC DATE: 11/17/94

ASSIGNOR:

GUILD, BRAD

DOC DATE: 08/23/94

ASSIGNOR:

RAFIELD, LORI

DOC DATE: 08/22/94

RECORDATION DATE: 11/23/94

NUMBER OF PAGES 005

REEL/FRAME 7223/0727

DIGEST : ASSIGNMENT OF ASSIGNORS' INTEREST

ASSIGNEE:

SOMATIX THERAPY CORPORATION
1301 MARINA VILLAGE PARKWAY, STE. 3110
ALAMEDA, CA 94501

SERIAL NUMBER 8-252710 FILING DATE 06/02/94
PATENT NUMBER ISSUE DATE 00/00/00

Sadley K. Payne
EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

ASSIGNMENT

WHEREAS, WE, Lawrence Cohen, citizen of United States, Brad Guild, citizen of United States, Lori Rafield, citizen of United States, ASSIGNORS, residing at 5670 Cabot Drive, Oakland, California 94611, 109 Riverdale Road, Concord, Massachusetts 01742, 2249 Beach Street, #5, San Francisco, California 94123 respectively are the inventors of the invention in Retroviral Vectors Useful For Gene Therapy for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or dd _____ (date)
 which is identified by Pennie & Edmonds docket no. 8141-113-999
 which was filed on June 2, 1994, Serial No. 08/252,710

and WHEREAS, Somatix Therapy Corporation, ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 11/17/94, 1994 L.C. L.S.

Laurence Cohen

Lawrence

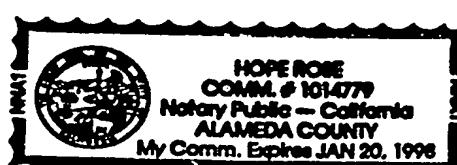
LC

State of California

) SS.:

County of Alameda)

On this 17th day of November, 1994, before me, a Notary Public in and for the State and County aforesaid, personally appeared Lawrence Cohen, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Hope Rose
Notary Public

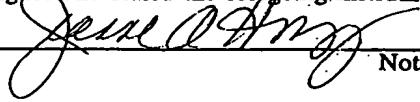
Date August 23, 1994

Brad Guild

L.S.

State of Massachusetts)
County of Middlesex) SS.:
)

On this 23rd day of August, 1994, before me, a Notary Public in and for the State and
County aforesaid, personally appeared Brad Guild
to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he
acknowledged the same to be his free act and deed.


Notary Public.

Date _____, 1994 _____ L.S.
Lori Rafield

State of California)
County of) SS.:
)

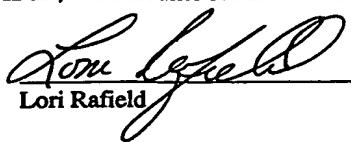
On this _____ day of _____, 1994, before me the undersigned, a Notary Public for the
State of California, personally appeared _____
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed
to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her
signature on the instrument the person, or the entity


Notary Public.

REEL 7223 FRAME 729

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite
our respective signatures.

Date 8/22, 1994


Lori Rafield

L.S.

REEL 7223 FRAME 730

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

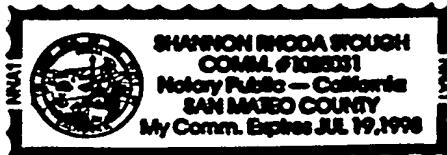
1223 FRAME 131

No. 5907

State of California
County of San MateoOn August 22, 1994 before me, Shannon Rhoda Stough
NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"
personally appeared Lori Rayfield
NAME(S) OF SIGNER(S)

AUG 21 2000

JC91



personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY**OPTIONAL**

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

- INDIVIDUAL
 CORPORATE OFFICER

TITLE(S)

- PARTNER(S) LIMITED
 ATTORNEY-IN-FACT GENERAL
 TRUSTEE(S)
 GUARDIAN/CONSERVATOR
 OTHER: _____

DESCRIPTION OF ATTACHED DOCUMENTAssignment of Patent
TITLE OR TYPE OF DOCUMENT

NUMBER OF PAGES

NOV 23 94

August 22, 1994
DATE OF DOCUMENTBrad Guild &
Lawrence Cohen
SIGNER(S) OTHER THAN NAMED ABOVESIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

40405

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#43
B. Webb
10/13/00

In re Application of

Riviere et al.

Serial No.: 08/252,710

Filed: 2 June 1994

For: RETROVIRAL GENE THERAPY
VECTORS AND THERAPEUTIC
METHODS BASED THEREON

Group Art Unit: 1634

Examiner: Fredman, J.

ASSOCIATE POWER OF ATTORNEY**BOX: AF**

Assistant Commissioner for Patents
 2900 Crystal Drive
 Washington, D.C. 20231

Sir:

I, Karen I. Krupen, Reg. No. 34,647, of record in the instant application, see the Appointment of Attorney document executed on 31 October 1997 by Somatix Therapy Corporation, appoints herewith Dean H. Nakamura, Reg. No. 33,981, as attorney for Applicants with full power to prosecute the instant application, to make alterations and amendments therein, to inspect and make copies thereof and to transact any and all business in the United States Patent and Trademark Office connected therewith.

Revocations and new Power of Attorney documents will be filed shortly.

ASSOCIATE POWER OF ATTORNEY
U.S. Ser. No. 08/252,710

Please direct all correspondence relating to the instant Application from this day forward to:

Dean H. Nakamura, Esquire
ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P.
1300 19th Street, N.W., Suite 600
Washington, D.C. 20036

Respectfully submitted,



Name: Karen I. Krupen, Esq.
Reg. No. 34, 647

- 2 -